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As a below named Inventor, I hereby declare that. As a below named Inventor, I hereby declare that. As a below named Inventor, I hereby declare that. As a below named Inventor, I hereby declare that. As a below named Inventor, I hereby declare that. As a below named Inventor, I hereby appoint the following altorney(s) and/or agent(s) accordated with Customer No. 22801 Decreased Chicago and transact all business in the Patent and Trademark Office connected therewith. Depret Telephone Calls Telephon			N AND FOWER OF ATTURNE	Y	(PE NO. 50(000.01
My residence/post office address and cilizenship are as stated below noxt to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint in plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the entitled: Systems and Methods for Filter Processing Using Hierarchical Data and Data Structures the specification of which is filed herewith unless the following box is checked: () was filed on as US Application Serial No. or PCT International Application Number and was amended on	ATTORNEY DOCKET N	D. MS1-1918US		MADOCI	(ET NO. 306890.01
My residence/post office address and cilizenship are as stated below noxt to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint in plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the entitled: Systems and Methods for Filter Processing Using Hierarchical Data and Data Structures the specification of which is filed herewith unless the following box is checked: () was filed on as US Application Serial No. or PCT International Application Number and was amended on	As a below named inven	tor. I hereby declare that:			
I believe I am the original, first and sole inventor (if only one name is used below) of the subject realier which is claimed and for which a patent is sought on the entitled: Systems and Methods for Filter Processing Using Hierarchical Data and Data Structures the specification of which is filed herewith unless the following box is checked: () was filed on as US Application Serial No. or PCT International Application Number and was amended on Number and was amended on I hereby state that I have reviewed and understood the contents of the above-Identified specification, including the amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is repatentability as defined in 37 CFR 1.56. Foreign Application(s) and/or Claim of Foreign Priority I hereby claim foreign priority benefits under Title 35. United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate having a filing date before that of the applicationity is claimed: COUNTRY Application NILMER DATE FILED PRIORITY CLAIMED UNDER 35 U.S.C. YES NO: POWER OF ATTORNEY: As a named inventor, I hereby appoint the following altorney(s) and/or agent(s) accordated with Customer No. 22801 The prosecute this application and transact all business in the Patent and Trademark Office connected therewith.		addense and citizanship are:	as stated below next to my nar	ue:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
() was filed on as US Application Serial No. or PCT International Application Number and was amended on	I believe I am the origina	d, first and sole inventor (if the below) of the subject matter	only one name is listed below; which is claimed and for w	hich a patent is s	et and joint inventor (i ought on the invention
patentability as defined in 37 CFR 1.56. Foreign Application(s) and/or Claim of Foreign Priority I hereby claim foreign priority benefits under Title 35. United States Code Section 119 of any foreign application(s) for patent or inventor(s) cerbelow and have also identified below any foreign application for patent or inventor(s) cerbelow and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application priority is claimed: COUNTRY APPLICATION NLIMBER DATE FILED PRIORITY CLAIMED UNDER 35 U.S.C.	() was filed on as	US Application Serial No. or	(if applicable)		1. 1. The the plains
thereby claim foreign priority benefits under Title 35. United States Code Section 119 of any loteign application for patent or inventor(s) certificate having a filing date before that of the application below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application priority is claimed: COUNTRY	amended by any amend	ment(s) referred to above. I	ne contents of the above-identi acknowledge the duty to dis	ned specification, close all informati	lon which is material b
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UBCLARATION AND POWER OF ATTORNEY	
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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